

Summary of Monitoring and Control for the Mosquito Program for the Week ending September 16, 2016

West Nile Virus (WNV) in and Around Boulder County

The mosquito season is winding down and this is the last week of mosquito trapping. This will also be the last weekly mosquito report for the year. The city's mosquito control contractor will continue to monitor mosquito larval breeding sites and treat when needed through the end of the month.

As of September 16, there have been 98 confirmed human cases of WNV from the state of Colorado with 14 reported from Boulder County. No deaths have been reported in Boulder County. It is likely that more cases will be confirmed throughout the state through the next few weeks. The full data set will be included in the city's annual mosquito report.

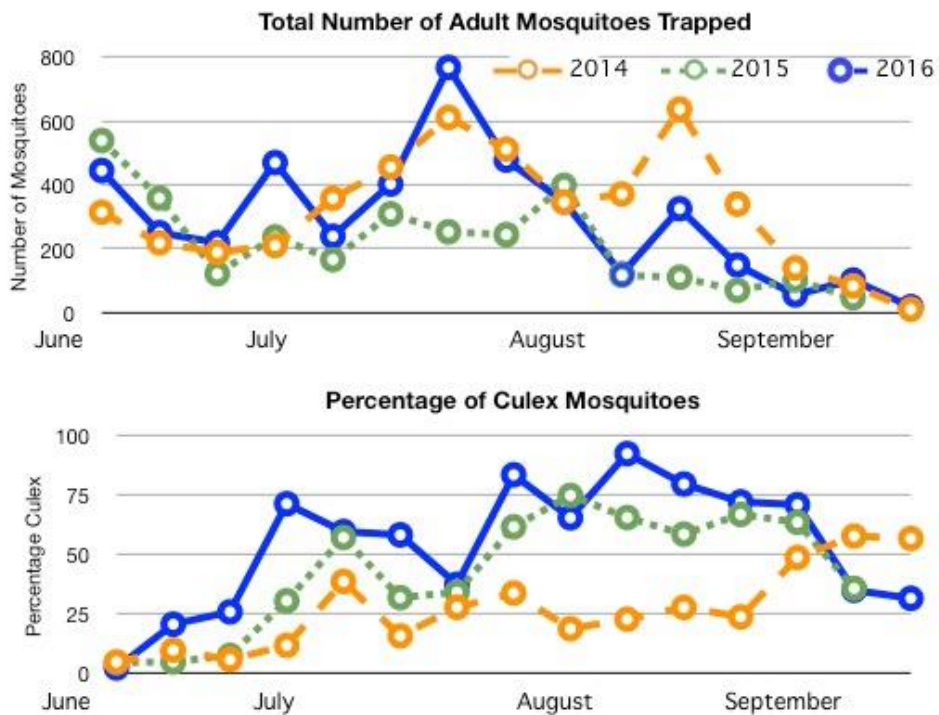
Adult Mosquito Trap Numbers

Adult mosquitoes are monitored from a grid of 16 traps located throughout the city. The mosquitoes are sorted and identified to species. *Culex* species from designated sentinel traps are sent to the Colorado Department of Public Health and Environment to be tested for the presence of WNV. The following table shows the results from surveillance traps.

Date	Total Mosquitoes	Number of <i>Culex</i> Mosquitoes	Percent <i>Culex</i> Mosquitoes	WNV Testing Results
June 7	477	12	2.5%	Not yet testing
June 14	253	53	29.9%	Negative
June 21	222	58	26.1%	Negative
June 28	472	338	71.6%	Negative
July 5	242	145	59.9%	Negative
July 12	405	237	58.5%	Negative
July 19	769	290	37.7%	Negative
July 26	480	424	88.3%	Positive
August 2	350	230	65.7%	Negative
August 9	124	115	92.7%	Positive

August 16	328	262	79.9%	Negative
August 23	152	110	72.4%	Positive
August 30	59	42	71.2%	Testing conluded
September 6	105	37	35.2%	N.A.
September 13	22	7	31.8%	N.A.

Weekly mosquito trap results will be charted throughout the season and the results from the previous two years will be included for comparison.



Nuisance Mosquito Program

Nuisance mosquito abundance and species composition can be compiled from 12 of the 16 WNV surveillance traps (four traps are specific for *Culex* mosquitoes), providing information about nuisance mosquito activity throughout the city. Two additional traps are placed in areas with high nuisance mosquito activity. These are located at the East Boulder Recreation Center and the Thorne Institute at the east side of Sombrero Marsh.

“Floating” traps may also be set up to monitor areas of high mosquito activity. One is currently installed at the Greenbelt Meadows neighborhood.

The table below shows the adult nuisance mosquito counts in the three traps that are used for additional monitoring of nuisance mosquitoes, as well as the top four nuisance mosquito counts in WNV surveillance traps throughout the city.

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i>)
Stazio Ball Fields	9 (1)
Locust & 10th	3 (0)
Greenbelt Meadows*	1 (1)
Rolling Rock Ranch	1 (0)
South Boulder Rec Center	1 (0)
East Boulder Community Center*	0 (0)*
Thorne Institute*	0 (0)*

* Trap is from nuisance mosquito control program

Mosquito Larval Control Treatments

The week ending September 9, a total of 348 site inspections occurred and 8 were treated.

- Sites treated with *Culex*-only larvae: 8
- Sites treated with nuisance-only larvae: 0
- Sites treated with both *Culex* with nuisance larvae: 0

If you have any questions, please contact Rella Abernathy at 303-441-1901.